

FIG. 1

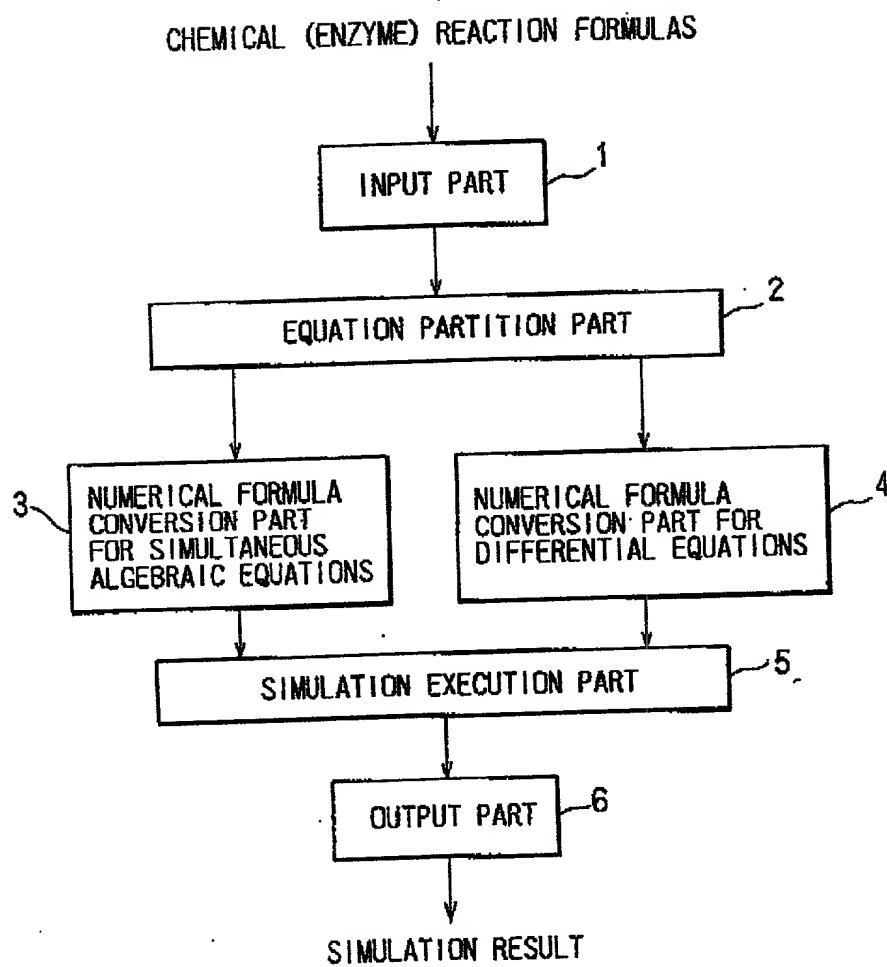


FIG. 2

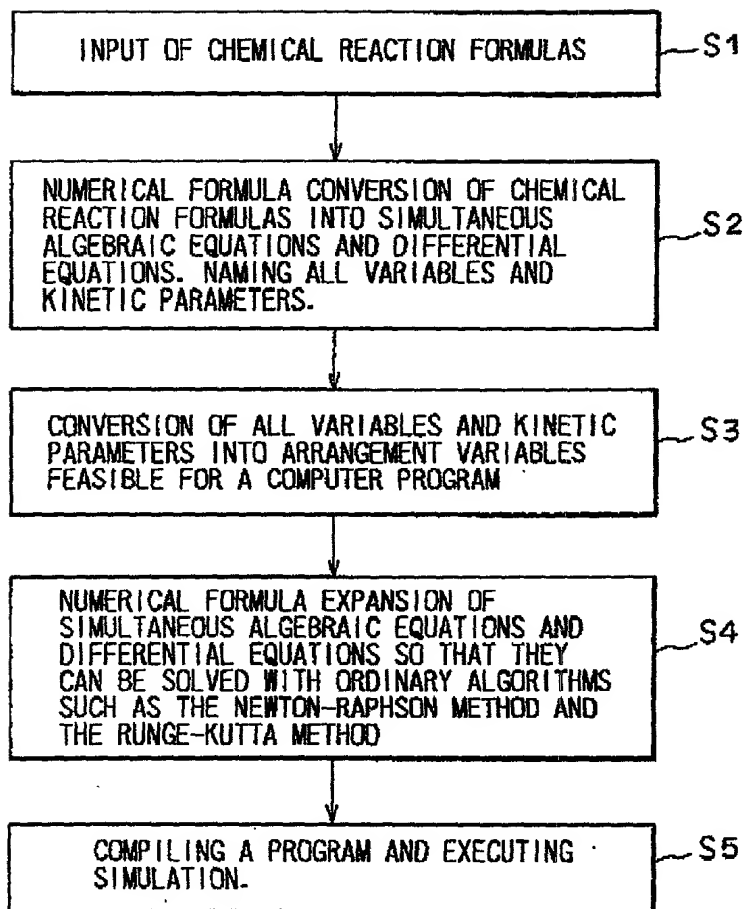


FIG. 3

PROCEDURE (1) FOR CONVERTING A CHEMICAL REACTION FORMULA (1) INTO A NUMERICAL FORMULA

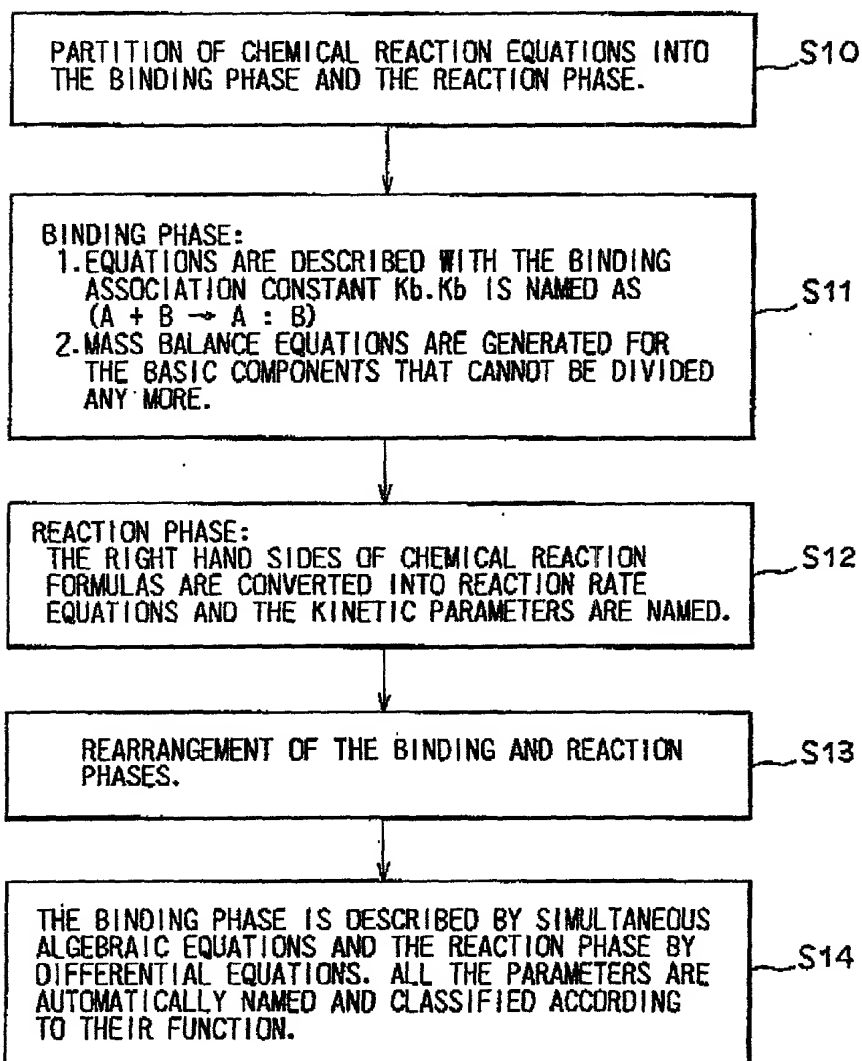


FIG. 4

PROCEDURE (II) FOR CONVERTING A CHEMICAL REACTION FORMULA (I) INTO A NUMERICAL FORMULA

CHEMICAL REACTION EQUATIONS ARE EXPANDED INTO A FORM OF THE MICHAELIS-MENTEN EQUATIONS. S20

KINETIC PARAMETERS ARE NAMED AS FOLLOWS:
 $K_m (S + E \rightarrow P + E)$ S21

REARRANGEMENT OF THE BINDING AND REACTION PHASES. S13

THE BINDING PHASE IS DESCRIBED BY SIMULTANEOUS ALGEBRAIC EQUATIONS AND THE REACTION PHASE BY DIFFERENTIAL EQUATIONS. ALL THE PARAMETERS ARE AUTOMATICALLY NAMED AND CLASSIFIED ACCORDING TO THEIR FUNCTION. S14

FIG. 5

PROCEDURE OF CONVERTING CHEMICAL REACTION FORMULAS (1,12,13) INTO NUMERICAL FORMULAS.

